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Wang, Y., Erickson, R. P., and Simon, S. A. Selectivity of lingual nerve fibers to chemical stimuli. 843.

Weiss, J. N. *See* Ji, Weiss, and Langer.

Whisenant, N., Khademazad, M., and Muallem, S. Regulatory interaction of ATP Na^+ and Cl^- in the turnover cycle of the NaK2Cl cotransporter. 889.

Williams, A. J. *See* Tinker and Williams.

Windhager, E. E. *See* Echevarria, Frindt, Preston, Milovanovic, Agre, Fischbarg, and Windhager.

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Xu, L., Jones, R., and Meissner, G. Effects of local anesthetics on single channel behavior of skeletal muscle calcium release channel. 207.

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Yao, J.-A. *See* Tseng-Crank, Yao, Berman, and Tseng.